DENVER EBO-500
Instruction Manual

FCC Information and Copyright

This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in

residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

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The content of this instruction manual is subject to be changed without notice and we will not be responsible for any mistakes found in this manual. All the brand and product names are trademarks of their respective.

Safety Precautions

On Battery

- Charge the battery only in temperature that ranges from 0 to 35 degree Celsius.
- Do not charge reader if the battery is found damaged or leaking.

On Operation

- Never subject reader to extremes of light, temperature, moisture or vibration.
- Do not use or store reader in a location subject:

A. Extreme high temperature, such as in a sun-heated car

B. Direct sunlight

C. High humidity or places with corrosive substances

D. Sub-zero condition, especially during winter

On SD card

- After inserted a SD card, if the reader has no response, please take out and insert again.
- Do not remove SD card or turn off reader during data writing or reading to prevent damage to data and to the reader.
- Make sure the SD card is unlocked before writing or deleting data in the SD card.
- Backup your files and data before formatting the SD card. Please format the SD card in FAT.

CE The symbol means that the unit complies with European safety and electrical interference directives.

Table of Contents

Introduction

EBO-500 is an ebook reader with full color display screen. EBO-500 supports ebooks encrypted with Adobe DRM.

Getting Started

Parts and Controls
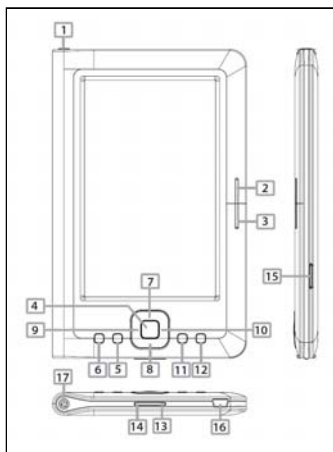
1. **Power button** – press and hold for 3 second to turn on/off
2. **Next pg button** – press to turn to next page
3. **Previous pg button** – press to turn to previous page
4. **OK / Enter Button**
5. **Zoom button** – press to adjust font size or to zoom in/out
6. **Menu button** – press to call out Option Menu
7. 8. 9. 10. **Directional buttons** – to move cursor in Up/Down/Left/Right direction respectively
11. **Music button** – to enter into music playing menu
12. **Return button** – press once to return to previous menu, press and hold to return to Home menu
13. **Vol + button** – to increase volume
14. **Vol – button** – to decrease volume
15. **Micro SD cart slot** – supports SD/SDHC/MMC card (Optional)
16. **Mini USB jack** – for data transfer and emergency charging
17. **Earphone jack**

Power On and Off the Reader
- Press and hold the [Power] button for 2 seconds to turn on Reader.
- It may take a few moments for reader to turn on and loading the content.
- If Reader does not turn on, charging is required.
- To turn off Reader, press and hold [Power] button for 2 seconds.

Charging the Reader
- You need to charge the Reader prior to using it for the first time or when battery power is low.
- Charge the reader using AC adapter with output 5V, 1.2A.
- Charging through PC may not be able to fully charge the reader due to the low output charging current from PC USB port.
- When charging through PC, you cannot operate the Reader. To operate the reader during charging, click the Safely Remove Hardware from your desktop with the Reader remains connection to PC. Upon Reader is safely removed, you can operate it while charging.
- Please turn the Reader to standby mode to shorten the charging process.
- It will take about 6 hours to fully charger the reader in standby mode (LCD off)
- When DC /USB power cable is connected to the reader for charging, the reader will enter into standby mode after remains idle for 60 s. Press the [Power] button to wake up the reader.
- The battery status is displayed at the bottom left corner.

Battery Full → → → → Battery Low | Charging

Inserting Memory Card

The Reader supports SD/SDHC/MMC card in both FAT and NTFS file system. NTFS is needed to copy file with size larger than 4GB.

To insert a Memory card:

- Open the SD cover.
- Check that the SD card is in the correct position with the contact pin facing upwards as illustrated below. You may damage the card and the reader if SD card is not inserted in correct position.
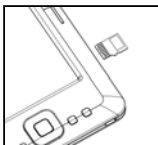
- Push the SD card into the card slot until it clicks.
- To remove SD card, push the SD card once again until it clicks.
- When a SD card is inserted in or ejected from the reader, it may take few seconds for the reader to update the content.
- Please avoid inserting or ejecting SD card when other operation is running as this may cause the system hang.
- Do Not remove the card if the content inside the card is being played. This will halt the operation of the reader and cause the reader to restart.
- If the system is not responding, press and hold the <Power> button for 6 seconds to reset and turn it off.

Limitations with NTFS file system:

- Books in the card are not recognized by ADE when connected to PC.
- Direct copy of files from internal memory to card is not supported.

Starting from Home Menu

When the Reader is turn on, you will enter into the Home Menu.

1. Continue Reading
-display the page of the last read book. Press <OK> button to open the last read page.

2. Library
-display the list of books available. Move the cursor to desired book and press <OK> to open it.

3. Battery Indicator
- displays battery status during operation

4. Page Number
-displays current page number and total available pages.

5. Time & Date
-display current time and date, you can set this from the **[Settings]**

6. File Directory
- indicates the location where the file is stored. SD – SD card, INT – internal memory

Entering Option Menu
To access extra functions available, press [Menu] button to display the Option Menu as illustrated.

Press the directional key to move cursor to desired item. Selected item will be highlighted in dark. Press <OK> to enter.

To exit from Option menu, move cursor to [🔙 Return] and press <OK> to confirm.

Alternatively, press the <Return> button to exit.

Icon	Description
Sort by	To sort books by different categories: Title, Author, Date, Format
Go to page	Jump to a specific page
Bookmarks	Read from previously added bookmarks
Brightness	Adjust brightness of the display screen
Video	Enter into Video Player
Music	Enter into Music Player
Photo	Enter into Photo Viewer
File Explorer	Enter into File Explorer for advance file management
Settings	Enter into System settings and to read user guide
Favourite	Open your favorite book list.
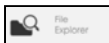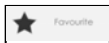
Importing Content

- The Reader supports USB Mass Storage Device function.
- To import contents (ebooks, video, audio, photo etc) into the reader, connect the reader to PC via the supplied USB cable.
- Upon successful connection to PC, the reader will enter USB mode and all operation will be halted.
- Go to [My Computer], double click on the reader's disk to open.
- Perform normal file management operation like other USB device.

Importing DRM Contents

The Reader supports Adobe DRM contents. Adobe Digital Editions (ADE) is required.

Installing Adobe Digital Editions (ADE)

- The ADE installer is preloaded into the Reader.
- Connect the Reader to PC via the supplied USB cable and open the reader as removable disk. Go to [My Computer], double click on the reader's disk to open.
- Make sure your computer is connected to internet
- Double click on the [digitaleditions_172] file to open the installer.
- Alternatively, you can download the installer from http://www.adobe.com/products/digitaleditions/#fp .
- For first time user, you will need to get a free adobe ID from adobe website. Click on the [get an Adobe ID online] link as illustrated:

- Enter your email address and complete the online form as per instructed.

Authorizing PC and Reader
- Upon registration, return to the ADE window. Enter the username and password to activate your Adobe account.
- After activation, connect the Reader to PC. ADE will detect the Reader and you are prompted to authorize device.
- After authorization, you will be able to find the Reader recognized in ADE as below. Contents inside the Reader will be displayed on the right hand windows.
-
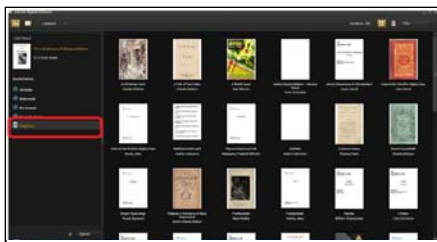
- You can now start downloading or buying ebooks from online Ebook stores supporting Adobe DRM.
- Purchased or downloaded ebooks will be stored in [My Digital Editions] in [My Documents].

Transferring DRM ebooks to Reader
- From ADE menu, click on [All Items] on the left hand column
- Items in [My Digital Editions] will be listed down in right window.
- Select the desired item(s) to be transferred, <Shift> + <Left Click> to select multiple files.
- Drag and drop the selected item(s) into the Reader's Drive located on the last row of the left side column as illustrated below.

Each ADE ID supports only 6 devices; this includes the master device (the reader) and the slave device (SD card).

When the reader is restored to default settings, ALL DRM activation record and data (including DRM books purchased) will be erased from the reader. You are required to authorize the device with your ADE ID again.

When the number of authorized device has exceeded the allowable amount, you will come across the following error message:

E_ACT_TOO_MANY_ACTIVATIONS
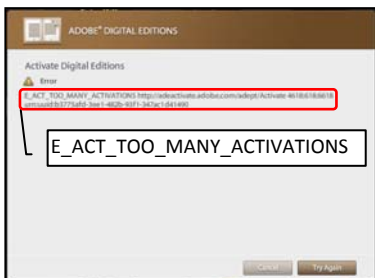
To request for extension and reset of your ADE ID, go to http://www.adobe.com/support/digitaleditions/ → [Submit a web case]. You are required to key in your ADE ID info.

Opening Book

- Books transferred to Reader will be listed in Home Menu.
- Reader supports ebooks in epub, pdf, txt format.
- Use the <Directional> buttons to move the cursor to select book and press <OK> to open.

Book Page Interface

Current Page / Total Page

Remaining Battery Life
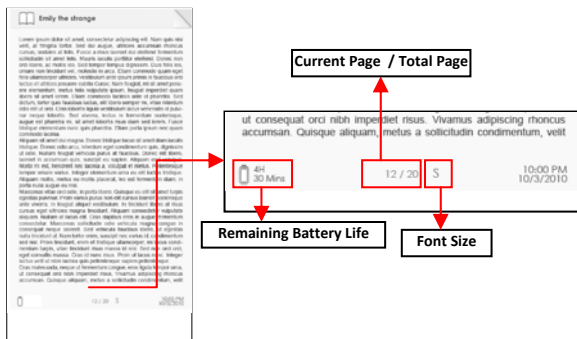
Font Size

Turning book page

- On reading page, press <Next Page> or <Directional-Right> button to turn to next page. To turn to previous page, press <Previous Page> or <Directional-Left> button.

Adjusting Font Size
- In reading page, press <Zoom> button to enter the font size menu.
- There a 5 font sizes available:
  Small, Medium, Large, XLarge, XXLarge.
- Move the cursor to the desired font size
  then press <OK> to confirm.
- It may take some time for the fonts to
  be resized.

Zooming In/Out
- You will need to use zooming function
  to enlarge images available in the ebook (epud & pdf file)
- From the size menu, select [Elarge]
- Zoom menu will appear.
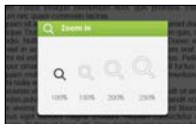
- Move the cursor to the desired zoom level and press <OK>.
- In zoom mode, use <Directional> buttons to pan across the zoomed page.
- Page turning is disabled in zoom mode.
- Press <Return> to exit zoom mode and return to original size and resume normal book reading functions.

Using Option Menu in Reading

In Reading page, press <Menu> button to enter Option Menu.
Options available:

1. Add / Delete Bookmark
2. Bookmarks
3. Go to Page
4. Music
5. Auto flip
6. Book Information
7. Rotate
8. Display Settings
9. Add to Favorite

Adding Bookmark

When reading, turn to the desired page that you would like to bookmark. Press <Menu> button, move the cursor to [Add Bookmark] and then <OK>.

Deleting Bookmark

- Turn to the bookmarked page that needs to be deleted. Press <Menu> and move the cursor to <Delete Bookmark>. Press <OK> to confirm.
- Alternatively, you can delete bookmark from the Bookmark List.
- In the Bookmark list, press <Menu> and select [Delete] to delete selected bookmark.

Read from Bookmarks in Home Menu
- From Home Menu, press <Menu> and select [Bookmarks] to enter Bookmark List.

> Upper window displays a quick preview of the selected book.

> Lower window displays the list of books with bookmarks. Press <OK> on the desired book to view the available bookmark list.

- In the Bookmark List, move the cursor to the desired bookmark, press <OK> to open.
- To delete bookmark from the Bookmark List, press <Menu> to display [Option Menu] and select [Delete] to confirm.

Read from Bookmarks in Current Book
- In reading page, press <Menu> and select [Bookmarks] to enter into Bookmark List.
- In Bookmark List, move the cursor to the desired page and press <OK> to open.
- To delete bookmark from the Bookmark List, Press <Menu> to display the Option Menu and select [Delete] to confirm.

Go to Page
You can jump to pages using the [Go to Page] option.
In the Option Menu, select [Go to Page].

In Go to Page menu, move the cursor by the <Directional-Left/Right> button. Input page number by <Directional –Up/Down> button.
Move the cursor to [Apply] then <OK> to apply settings.

Auto Flip

You can set the Reader to [Auto Flip] mode. The auto flip duration available are: 10s, 20s, 30s, 40s, 50s, 1 min.

Book Information

You can check the information of the current book from the [Book Information] option. This will show:

Title, Author, Publisher, File Type, Date added, File size, Publisher and Expiration.

Depends on the source of ebook that you download/purchase, some of the information may not be available.

- In landscape view, the Option Menu is divided into 2 pages. To access options in the second page, move the cursor to [More>] icon at the top right corner of the Option Menu and then enter
- To return to previous page, move the cursor to [< Back] and then enter
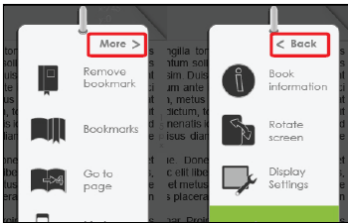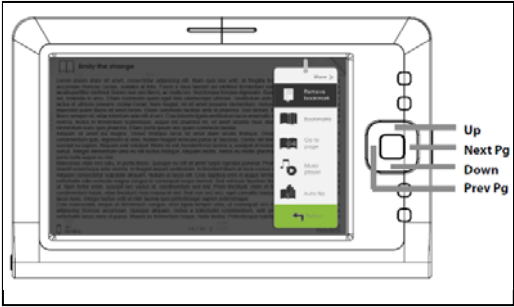

Rotate

[Rotate] option allows you to rotate the display orientation 90° in clock wise direction to landscape orientation.

- To return to original orientation, press <Menu> and enter <Rotate> once again.

In landscape view, the button layout is as below:

Display Settings

- To adjust font color, background color, brightness during reading.
- Change of font color and background color are only applicable to txt and epub documents.

Add to Favorite

- You can add books to your Favorite List. In Option menu, move the cursor to [Add to Favorite] to add current book into Favorite List.
- To view books in Favorite List, from Home Menu, press <Menu> button and select [Favorite].
- To remove book from Favorite:
    1. Enter Favorite List from Home menu. Move the cursor to the desired book title. Press <Menu> button and select [Delete] from the dropdown list.
    2. From reading page, press <Menu> button and select [Remove from Favorite] from the Option Menu.

Background Music Playback in Book page

- The reader supports background music playing when reading books or viewing photos.
- To control music playback in book page, press <Music> button and a mini music player control bar will appear at the bottom of the page.
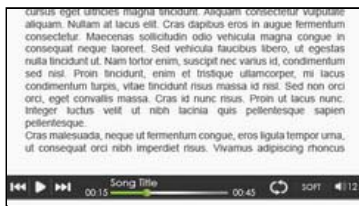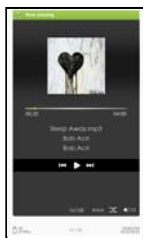

- Press the music control buttons to control music playback.
- To return to book page, press <Return> button and resume normal book reading controls.

Music Player

- From Home Menu, press <Menu> to display Option Menu.
- Move the cursor to [Music] and press <OK> to confirm.

- In the Music player, press <OK> to play/pause music playing

- Press <Directional Right> to play next song, press and hold to Fast Forward
- Press <Directional Left> to play previous song, Press and hold to Fast Rewind
- Press <Directional Up> to increase volume
- Press <Directional Down> to decrease volume

Using Option Menu in Music Player

Normal		EQ settings – move the cursor to [EQ Settings] , press [Left] or [Right] button to select desired EQ mode.
Loop		Play Mode - move the cursor to [Play Mode] , press [Left] or [Right] button to select desired Play mode
	Sort by all song	To view all stored audio files
	Sort by genre	To sort audio files by genre
	Sort by album	To sort audio files by album
	Sort by artist	To sort audio files by artist

Gentle Reminder: Please organize the pictures into a specific folder for the ease of navigation.

- From Home Menu, press <Menu> to display Option Menu.
- Move the cursor to [Photo] and press <OK> to confirm.

Upper window displays a quick preview of the selected photo

Lower window displays the file list in the reader.

- Use the <Directional> buttons to navigate through the files/folders.
- Press <OK> on the selected photo to view a full screen display.
- In full screen mode, press <Directional Left/Right> to view previous and next picture.

Zoom In/Out Picture
- There are 3 zoom levels available. To zoom in picture, in full screen mode, press <Zoom> button to change different zoom level.
- To return to original size, press <Return> button and resume normal operation.

Slideshow
- In full screen mode, press <Menu> → [Slideshow] to start.
- To stop slideshow, press <Menu> button once.
- From the drop down menu, select [Slide Time] to adjust slideshow duration.

Thumbnail view
- In full screen mode, press <Menu> → [Thumbnail] to view pictures in thumbnail mode.
- To exit thumbnail view, press <Menu> once to return to full screen mode.

- From Home menu, press <Menu> → [Explorer]
- Press <Left> / <Right> to select Internal / SD card memory and press [OK] to enter.
- Press <Return> to exit from current directory and the cursor will move to the top for memory selection.

Copy / Paste file
- You can copy files/folders from SD card to internal memory and wise versa.
- From the file list, move the cursor to the desired file to copy. Click <Menu> and select [Copy].
- From explorer, go to the desired directory to store the copied file. Click <Menu> and select [Paste] to start copying file into the new directory/folder.

Note: it may take longer time to paste files/folder with big file size.

Deleting File
From explorer, move the cursor to desired file to delete. Press [Menu] and select [Delete] to start deleting file.

Note: it may take longer time to delete files/folder with big file size and quantity.

Time & Date

To set the clock and date

Press <Directional Left/Right> buttons to move the cursor.

Press <Directional Up/Down> buttons to input value.

Time zone setting is needed to calculate the expiry duration for book borrowing / returning.

Device Standby

- To enable / disable auto standby mode.
- Press <Power> button to manually set the reader to standby mode
- Press <Power> button once to wake up the reader from standby mode.

Format Memory

To format internal memory and memory card.

All data will be lost. Please backup your data before performing this.

About Product

Displays product information of the Reader.

Power Management

Displays real time battery status of the Reader.

Restore Factory Defaults

To restore the Reader's settings to defaults.

All settings will be restored. All DRM contents and activation will be deleted. You are required to authorize the reader again through ADE after system restored.

Language

To set system language of the reader.

User's Manual

If the reader does not function as it is expected, please try the following steps.

The Reader is not responding or can't be turned on.

- Reset the reader by press and hold the power button for 6 seconds. The reader will be forced shutdown if it is on and you are required to restart the reader again.
- Battery has been fully depleted. Please charge the reader via USB or USB AC Adapter.

Battery Life seems short

- The operating temperature is below 5°C. this is due to the characteristics of battery and not a malfunction
- The battery is not used for prolonged period. Please recharge the battery of the reader again
- The battery is not fully charged. Please charge the reader for 4 hours.
- The battery needs to be replaced. Please consult the authorized dealer for service.

A Book cannot be read

- Copyright protected books cannot be read on any device other than the authorized one.
- Check if the book has expired.
- Check if the book format is supported by the reader.

The reader cannot be operated during USB connection

- The reader cannot be operated while it is connected to PC.
- Eject the reader from computer to resume operation.
- To use the reader while charging, click on the [Safely Remove Hardware] icon located on the left lower corner to disconnect data connection with computer. After the reader is safely removed, computer will only charge the reader and you can now resume normal operation.

Precautions and Maintenance

On Battery

- Charge the battery only in temperature that ranges from 0 to 35 degree Celsius.
- Do not charge reader if the battery is found damaged or leaking.

On Operation

- Never subject reader to extremes of light, temperature, moisture or vibration.
- Never wrap reader in anything when it is being used or charged. Heat may built up in reader while charging or if it used for an extended period of time.
- Do not use or store reader in a location subject:
    A. Extreme high temperature, such as in a sun-heated car
    B. Direct sunlight
    C. High humidity or places with corrosive substances
    D. Sub-zero condition, especially during winter

On Headphone

- Listening to audio at high volume for extended periods of time can cause hearing damage. To avoid damage to your hearing, keep the volume at moderate level.
- Do not use headphones while driving, cycling or operating any motorized motors. It can also be potentially dangerous to play at a high volume while walking, especially at pedestrian crossings.

On Cleaning and Maintenance

- If reader does get wet, turn off reader immediately. Wait for reader to dry completely before turning on again.
- Clean the screen with a soft cloth; be careful not to wipe it with anything abrasive. When carrying your reader in bag, keep reader in the protecting case supplied to avoid scratches
- If reader needs service, please consult the authorized dealer through the contact information provided in the warranty card. Faulty service may void the warranty.

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On SD card
- After inserted a SD card, if the reader has no response, please take out and insert again.
- Do not remove SD card or turn off reader during data writing or reading to prevent damage to data and to the reader.
- Make sure the SD card is unlocked before writing or deleting data in the SD card.
- Backup your files and data before formatting the SD card. Please format the SD card in FAT.

Product Specifications

Display
5 inch TFT-LCD Display, 800x480 pixels
Brightness: 200cd/m^2

Storage memory
Built in memory: 4 GB
Supports SD/SDHC/MMC up to 16GB (FAT format)

Media File Format supported
Ebook: epub, pdf, txt, fb2
Audio: mp3, wma, wav, ogg, aac
Photo: jpg, bmp, gif, png
Video: wmv, flv, rm/rmvb, mov, avi, mpeg 1, mpeg 2, mpeg 4, xvid, divx, h.263, h.264, up to HD 1080p resolution

Connectivity
Data transfer: USB 2.0 High Speed
Audio: 3.5mm audio jack
Power: DC jack, USB jack

Miscellaneous
Clock / Date
Real time battery indication

Battery life
Reading – up to 4 hours
Music – up to 20 hours (with backlight off)

Charging
Power: DC 5.0V, 1.2A
Duration: 6 hours (approx)

Minimum system requirement (USB Mass Storage)
Windows 2K, ME, XP, Vista, Win 7, Mac OS 10x

Physical properties
Dimension: 155 x 97 x 11.5 mm (approx)
Weight: 181g (approx)